

The Wobbly Oscillator



Hams Who Serve

Cuyahoga Amateur Radio Society

September 2021

Volume 51

Number 9



Happy Labor Day

Back to Busch

From The Prez

September Meeting

We will be going back to Busch after having our summer picnic meetings. With a spike in the COVID situation, it was suggested and decided we resume our simultaneous Zoom meeting along with the in-person meeting at Busch. This will make the meeting comfortable for those wishing to stay home and avoid personal contact. It also gives our out of town members an opportunity to participate.

Incorporating Zoom made it possible for our special guest, Scott Yonally, N8SY, the ARRL Great Lakes Division Vice Director to attend. We have had the pleasure of Scott speaking at one of our meetings when he was the ARRL Ohio Section Manager. If you were at that meeting you couldn't help but notice the enthusiasm Scott has for amateur radio. If you missed that meeting, make it a point to attend this one. You won't be disappointed.

Parroting our website, Scott will do an overview of the Great Lakes Division and fill us in on what's happening at the ARRL Headquarters. He will then be happy to answer any particular questions we may have. If you know Scott, he will hang in there as long as we wish.

Hope to see you there.

Cleveland Hamfest

CARS will again have a display at the Cleveland Hamfest September 26th, at the Cuyahoga County Fairgrounds. All members are welcome and encouraged to represent CARS at our two tables. We will have handouts describing our club and the ARRL.

We will also have items for sale. The Cleveland Hamfest is an excellent marketplace for used radio equipment or related merchandise; the event is well attended by prospective buyers with pockets full of cash. If you have anything to sell, bring it to the fest and put it on the CARS table. If you can't make it to Berea on Sunday and have items you wish to sell, contact me and we will make arrangements to get your stuff there.

No matter what your intentions are, the Cleveland Hamfest is an event well worth attending.

Ed

Many of you are aware Ed Stevens, WB8ROK, was admitted to Fairview Hospital recently with several severe health problems. He has been released and transferred to a nursing home. As this issue is being written, it is good to report Ed's condition is improving.

All members present at the August meeting unanimously elected Ed to the distinction of a CARS Honorary Member.

73, Toby, WT8O



CARS members enjoyed a perfect summer evening for the last picnic meeting of 2021.



Next CARS Meeting

Tuesday, September 14 - 7:30 PM

Special Guest

Scott Yonally, N8SY

ARRL Great Lakes Division Vice Director

**Busch Community Room
&
Zoom**

See Website for Details - www.2cars.org

August Meeting Minutes

August 10, 2021

LOCATION---The meeting was held in The Harriet Keeler Picnic Pavilion in the Brecksville Reservation of the Cleveland Metroparks

CALLED TO ORDER---The meeting was called to order by President Toby Kolman, WT8O, at 7:31 PM.

PLEDGE OF ALLEGIANCE---Those present pledged allegiance to the flag of the United States of America.

INTRODUCTIONS---Those present introduced themselves.

JULY MINUTES---The July *Wobbly Oscillator* was delayed in publication. The July meeting minutes were emailed to club members earlier this month and printed copies were available at the meeting. The July minutes were approved.

TREASURER'S REPORT---Bob Check, W8GC, reported on the club's current financial situation. No issues or concerns were identified.

PRESIDENT'S REPORT---Toby Kolman, WT8O, suggested that Ed Stevens, WB8ROK, be recognized as an Honorary Member. The motion was passed.

VICE PRESIDENT'S REPORT---Mark Moro, WJ8WM, thanked members for attending the picnic in July. He reminded members to use their Amazon gift certificates on Amazon Smile.

SECRETARY'S REPORT---Matt Perlman, KE8OZU, had nothing to report.

PUBLIC SERVICE---Arp, K8ARP, reported that public service events are available on <http://eddiestevens.com/> and <https://n8esg.org/>. Volunteers are needed to help with

- The Asian Lantern Festival at the Zoo
- The Prostate Run in Berea
- The Cleveland Triathlon Fun Run on 8/21
- The Geauga Fair



VE UPDATE---Metro, W8MET, reported that the most recent VE session resulted in two new Technicians, one General and one Amateur Extra. The next CARS VE Session will be on Sunday, September 12, 2021 9:15 AM at the Old Rec Center in Independence.

PROGRAM COMMITTEE---Joe, KD8BAL, reported that:

- Today's program will be on stealth antennas, presented by Toby, WT8O
- September's program will be presented by Scott Yonally, N8SY
- October's program is TBD, possibly Ted Alexander
- Please send ideas for programs to Joe

TECH COMMITTEE---Scott, AC8NW, had nothing to report.

REFRESHMENTS---Toby, WT8O, thanked the refreshment committee for providing refreshments at the meetings.

NEW BUSINESS---Toby, WT8O, brought forward a suggestion from Matt, KE8OZU, to include a Zoom option for the September meeting. The motion was passed. Bob, W8GC, will send two reminders to the club before the meeting to increase awareness of the Zoom option. Holding a dinner meeting in October will be discussed during the September meeting.

NEXT MEETING---The next meeting of The Cuyahoga Amateur Radio Society will be on September 14, 2021. The meeting will be held at the Busch Funeral Home on Ridge Road in Parma, Ohio. The meeting will be available in person and via Zoom.

50/50 DRAWING---The 50/50 drawing was won by Bob, W8GC.

ADJOURNMENT--The meeting was adjourned at 8:08 PM.

After the meeting, Toby, WT8O, presented material on stealth antennas to the club. Despite Toby's insistence to the contrary, the presentation was both educational and entertaining for the club members in attendance.

Submitted by Matt Perlman, KE8OZU, CARS Secretary



September Birthdays

Bob Robbins, KSRGI	9-4-45
Dennis Rabbits, KDSAPY	9-11-49
James Chaffin, KESMQL	9-17
Jeff Bolek, KD8GIR	9-21-50

Correction: Fred Freer, K8IG, was incorrectly typed as AK8IG in the August W'O.

CUYAHOGA AMATEUR RADIO SOCIETY

Board of Directors Meeting

August 22, 2021

MEETING LOCATION---Because of the coronavirus the Cuyahoga Amateur Radio Society held its August 2021 Board Meeting via Zoom.

CALLED TO ORDER---The meeting was called to order by Club President Toby, WT8O, at 8:00 PM.

ATTENDEES---The following members were in attendance:

Bob Check, W8GC; Toby Kolman, WT8O; Terry Pillatt, KB8DTC; Mark Moro; WJ8WM; Ron Hollas, K8RJH; Arp Viiberg, K8ARP; Scott Smith, AC8NW; Bob Robbins, K8RGI; Matt Perlman, KE8OZU

RESIGNATION OF BOARD CHAIRMAN MIKE KEMMETT, KD8OUE---Mike Kemmett, KD8OUE, has resigned as board chairman. Toby, WT8O, accepted the resignation via email. Arp, K8ARP, is the backup chairman. Arp and Toby will call the January board meeting. During that meeting, a new chairman will be elected.

CLEVELAND HAMFEST---The club will purchase two tables for the Cleveland Hamfest on September 26, 2021. The tables cost \$20 each. The motion was brought forward by Toby, WT8O, seconded by Terry, KB8DTC and unanimously approved. During the event, the club will offer memberships, provide information and sell equipment. Bob, W8GC, reported that the club has no equipment to sell this year. The equipment for sale will be from members. Scott, AC8NW, told the group that he will bring the repeater racks to sell, if possible. The event will be publicized to the club via a club-wide email, the September club meeting, Nets and the *Wobbly Oscillator*. Bob, K8RGI, will call to reserve the tables. Bob, K8RGI, and Scott will help setup the event. Additional help will be requested from the club during the September meeting.

CHRISTMAS PARTY---The club plans to hold its annual Christmas Party this year. Mark, WJ8WM, is in charge of planning the party. Both the prior location and alternate indoor locations will be considered.

ADJOURNMENT---Toby, WT8O, called to adjourn the meeting at 8:19 PM.

Submitted by Matt Perlman, KE8OZU, CARS Secretary

September Net Sked

SEP	1	KD8ACO
SEP	8	KC8ESG
SEP	15	WT8O
SEP	22	K8RJH
SEP	29	N8OWS

**Nets are run every Wednesday at
9:00 PM on:**

146.820 (PL 110.9)

443.825(+) PL Tone 131.8

Digital Yaesu Fusion

Linked to the 146.82 Repeater

EchoLink Node 343470 (K8ZFR-R)

Allstar Node 47067

So Long for Now, Mike

All too soon, one of our most active and popular members will be pulling up stakes and moving up north to Michigan. Mike Kemmett, KD8OUE, and XYL Bobbie decided to relocate near Traverse City in the northern part of the state to live close to their son and his family. Myself, having children and grandchildren residing in Arizona and seeing them all too infrequently, I can certainly understand his decision.

If half the members in CARS did half as much as Mike, the club would be significantly improved. He was Chairman of the Board of Directors. He attends almost every meeting. He participates in just about every net. Until recently, Mike was a Net Control Station. When we started a meeting program committee, he was the chairman. When we needed someone to take over the audio-visual equipment, Mike picked up the ball and handled that responsibility. He and Bobbie are fixtures at the summer picnics and Christmas parties.

But there is something much more, much deeper that Mike has to offer. He is a true pleasure to be around. He doesn't have a syrupy, make that phony, personality. He's usually up beat with a good sense of humor. If he disagrees with your opinion, he will say so in a non-condescending, respectful way, with a logical reason why. At that point, he's willing to discuss the issue and possibly come to some sort of mutual agreement. That is a very cool and rare quality.

I'm going to miss Mike. I'm going to miss him a lot. I'm sure we will hear him on the nets from time to time since we are fortunate to have EchoLink and Allstar. And maybe if Mike gets back to town we can see him at a CARS function.



Mike, KD8OUE, and his brother Bill, KD8QBB, operate at Field Day.



Mike, KD8OUE, and XYL Bobbie living it up at the last CARS Christmas party.

POW / MIA Special Event Station

Once again, Metro, W8MET, and Linda, N8LRS, will operate their National POW/MIA Recognition Day special event station this year using the call sign K4MIA/8.

They will be operating on 40 Meters SSB from September 11th through September 19th. Other stations K4MIA/1, K4MIA/5, and K4MIA/7 will be on the air using various modes such as SSB, CW, FT8, Satellite, EME, Microwave, and possibly other digital modes.

See the "Radiosport" section down the page, page 80 of the September QST, or www.grz.com/db/k4mia for details.

When you see Linda or Metro, please congratulate them on their past and present dedication supporting such a worthy cause.



Linda, N8LRS, and Metro, W8MET, will be running the special event station K4MIA/8 September 11th through September 19th.

VE Session

The next VE testing session will be held Sunday, September 12th, at **9:15 AM*** at the Old Elmwood Recreation Center, 6200 Pete Wisniesky Parkway, Independence 44131. Directions and a map are on the CARS website homepage. For information or an appointment please contact Metro, W8MET, at 216-520-1320 or metro351@sbcglobal.net

As always, walk-ins are welcome.

***Please note time change to 9:15 AM.**

CARS Repeaters

146.820 (-) PL Tone 110.9

Analog Repeater

Main Site – Brecksville

Receive Only Site – Brunswick

Receive Only Site – Shaker Hts.

Allstar Node 47067

EchoLink Node 343470 (K8ZFR-R)

443.825 (+) PL Tone 131.8

Digital Yaesu Fusion

Linked to 146.820 Repeater

Brecksville

444.75 (+) PL Tone 131.8

Analog Repeater

Not Linked to Other Repeaters

Shaker Hts.

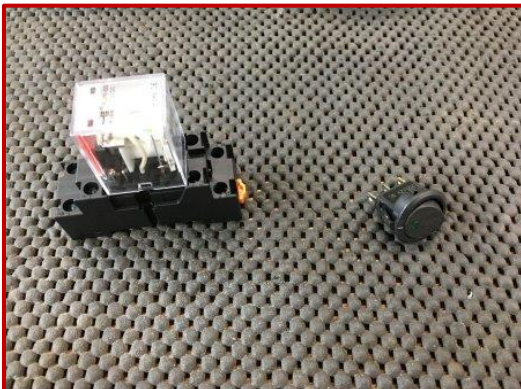
Vintage Amateur Radio Equipment Power Switching: A Problem and a Solution! Fred, K8IG

Many of us own amateur radio equipment that is as old...or older...than we are. The problem, of course, as some have tragically found, is that the power switches suffer from age, perhaps thousands of on-off cycles, arcing and mechanical failures. Many of these power switches are combination units that control not only the AC power but also tone, volume, the BFO or other applications requiring a potentiometer. The dilemma, of course, is that replacement switches for most of our vintage equipment are no longer available.

With Shakespeare in the forefront of our minds (not!), the question remains: To switch or not to switch...that was the pressing question. Of course, I could choose to simply leave the radio units all on but that would result in unnecessary power consumption, perhaps premature aging of the already old equipment, a cacophony of background noise and additional heat in the shack. So, I decided that avoiding use of the power switches on the multiple receivers/transceivers was the better choice and an alternative solution was necessary and remote power switching was the clear choice.

While I regret that I didn't take adequate progress pictures of the project, hopefully you will get the idea from the text. The finished "control panel" is shown mounted above the KWM-2. The installed (Sorry, no pre-installation picture) panel mounting the relays and 120VAC receptacles is shown below the table. Essentially, I crafted and painted a small aluminum panel designed for under-shelf mounting that would mount ten rocker switches (Amazon KCD2—102N-G) that illuminate in the "on" position. My shack has bountiful 12 volt DC power available through various Anderson Powerwerx PD-8 power distribution blocks so low voltage (12 VDC) switching made good sense. These 12 VDC illuminated rocker switches were wired to remotely power relays (Amazon Apriel Relay My2NJHH52P).

The relay and receptacles are remotely mounted below the shack table on a wood panel as shown. The ten illuminated rocker switches are connected to and control the ten relays via 18 gauge wire (red). Six duplex receptacles were mounted in three metal boxes interconnected by conduit as shown. The receptacles require that you remove (cut) the tab on the ungrounded (brass) side of each of the four receptacles so that they can be powered individually. I installed six receptacles to fill the three boxes as shown with the last receptacle unswitched (powered continuously with 120VAC). The power source for the receptacles is a three conductor, 12 gauge power cord.



In operation, I can individually control power for the 75A-4, KWM-2, 75S-3, TR4CW, TR5, TR-7, FT-1000, 75S-3B and one switch powers the SX-28 and 51S-1. The bottom line is that the three or so hours of construction and about \$100 in material costs will preserve the power switches on the classic radio equipment and add value to their heritage. Plus, the control panel takes little valued shack table space and looks "cool" too!



Ohio State Parks On The Air

Bob, K8RGI

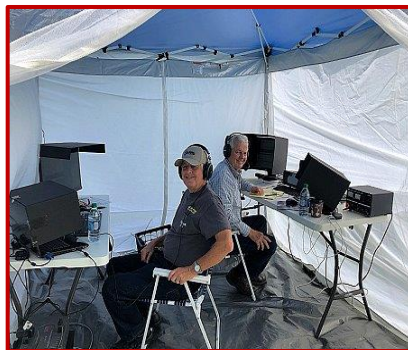
The 14th annual Ohio State Parks on the Air contest will be Saturday, September 11th. The purpose of this contest is to promote public awareness of ham radio and Ohio's beautiful state park system; to contribute to the recognition that Ohio has a very diverse and wonderful ecology; to promote camaraderie within the ranks of Ohio's Amateur Radio Operators; and to encourage contact with other Amateur Radio Operators around the state, country, and world.

The objective is to have competing stations operating from as many of Ohio's seventy-five state parks as possible. Making contacts from an Ohio State Park to other Ohio State Parks is the goal all stations strive for. All other stations, whether in Ohio or outside of Ohio may work only Ohio stations located in an Ohio State Park.

The only mode of operation is SSB. There are several categories ranging from Multi-Op Multi-Transmitter High Power to Single Operator Low Power.

My brother Richard, WA8RR, and I have operated from Put-In-Bay the last two years activating Oak Point and South Bass Island State Parks. We plan to arrive on Put-In-Bay on Friday, spend the night in a bed and breakfast and start setting up about 7:30am Saturday morning. We will have two stations, with self-supporting antennas on the air by 10:00 AM. There is always a lot of activity with many pileups during the day. We will start tearing down at 6:00 PM and have everything packed back in our cars by 7:00 PM.

This contest has all the fun parts of Field Day with only an eight hour commitment. All the details can be found at <https://ospota.org>.



Some views of the station and beautiful scenery Bob, K8RGI, and his twin brother Richard, WA8RR, were surrounded by when they participated in last year's Ohio State Parks on the Air contest from Put-In-Bay.

CARS Supports Local Events With Back-Up Communications and Volunteers Ron, K8RJH

Both the "ZERO Prostate Cancer 5K Run/Walk" and the "Bike Cleveland Fundo" events were supported by CARS in late August with backup availability coverage of the K8ZFR repeater systems.

I volunteered for the ZERO Prostate Cancer 5K Run/Walk held on August 28, 2021 and assigned to be an Amateur Radio course observer at one of final turns in the circuit. With good weather and several hundred runners and walkers participating, it was a satisfying experience reporting the positions of the lead runners and walkers by radio to a command post as they passed my checkpoint, interacting with the groups of individuals with encouragement, and observing general safety protocols until the sweep patrol following the last individual cleared my checkpoint. It was a safe and enjoyable experience for all.

CARS provided an important background resource for these events. The N8ESG Support Group requested planning to provide backup fixed communication coverage with both K8ZFR repeaters for these events should any interference or hardware issue disrupt the operation of a portable low power repeater located in their command vehicle. Even though the N8ESG emergency command van is equipped with radio resources to be self-sufficient with ARES and public service activities, it is prudent to have a an alternate channel available for the field radio operators supporting these events.

It may be of interest that there is typically a lot of activity being coordinated in the ARES command post with most of the local Public Service events. They include;

- Coordination with Event Management status updates and progress of events in progress (there may be several concurrent programs such as an event hosting different age groups and classes using multiple physical routes),
- Dispatching field information requests using several repeater and simplex channels

- Monitoring the status of recourses using APRS (position reporting) and providing reliable reporting Comms via Packet Winlink.
- Logging in real time for situational awareness and post event analysis.

Since there is a lot of radio traffic and frequencies that may be involved in hosting a high profile public service event, the opportunity for the unexpected is present. It is always a good idea to plan for backup coverage especially with the primary voice radio system. Mat Nickoson, KC8NZJ ARES District 10 Emergency Coordinator and the N8ESG Support Group / ARES expressed his appreciation for the CARS repeater availability and member support of the event coverage this month.

I personally find it enlightening to participate and learning more about the event logistics, using and improving Amateur Radio skills while benefiting our community.

For more information on participating with upcoming local public service events, please check out www.n8esg.org



Inside the ZERO 5K Communications Command Post
Mat Nickoson - KC8NZJ (left) checks the programming of a field HT in the Operations Director Position while Tom Cramer - N8AGM (right) operates as Net Control. Note the computer screens have active APRS displays and event log reporting. Mat has logged over 14 NorthEast public service events so far in 2021 with the N8ESG Communication Van. The CARS K8ZFR 146.820 Repeater was monitored during the event, as a backup channel should it be required.



The N8ESG Command Communications Vehicle
positioned and activated for support of the ZERO 5K Run/Walk hosted in Berea, OH on August 28, 2021. It was equipped with a UHF Repeater for Primary Voice, APRS VHF for resource tracking and Simplex channels for event coordination. The van is self-sufficient and operating on emergency generator during the event.



APRS In Action! - Final Walkers with Curtis Hendrix KC8UQX on Motorcycle
Sweep reporting their progress automatically via APRS. He is followed by the event sweep (Red Car) and a Berea PD to open the roads for general use.

Honorary Members

Any person who by nature of outstanding or meritorious contribution to the furtherance of amateur radio and the ideals of the Cuyahoga Amateur Radio Society

Robert Check, W8GC

Elected 2/10/15

Thomas Wayne, WB8N

Elected 1/10/17

Dwayne Modock, K8ME, SK

Elected 5/9/17

Toby Kolman, WT8O

Elected 10/10/17

Jerry Smith, NW9H

Elected 5/8/18

Ron Borkey, K8VJG, SK

Elected 5/14/19

Ed Stevens, WB8ROK

Elected 8/10/21

RadioSport

Contests

Sept. 4, 0000 – Sept. 5, 2359 **All Asian DX Contest, Phone** 3.5 – 28 Ph www.iar1.org/English
Exchange: RS, 2-digit age

Sept. 11, 1400 – 2200 **Ohio State Parks on the Air** 3.5 – 28 Ph ospota.org
Exchange: Ohio park abbreviation or SPC (State, Province, DXCC Entity)

Sept. 11, 1800 – Sept. 13 0300 **ARRL September VHF Contest** 50 and up CW Ph Dig
Exchange: 4-char grid square www.arrl.org/september-vhf

Sept. 18, 1600 – 2300 **Wisconsin Parks on the Air** 3.5 – 144 CW Ph wipota.com
Exchange: WI park abbreviation or SPC

Special Events Stations

Sept. 10 – Sept. 13, 0000–0003 **N3M** Staten Island, NY **Remembrance of the 20th Anniversary of The Attack on the World Trade Center in New York City** 28.450 21.350 14.340 7.238 wa2nyc@yahoo.com

Sept. 4, 1200 – 1900 **W9EBN** Marion, IN **Fly/In Cruise/In** 14.1800 DMR Talk Group 31189
D-Star Ref 24B 146.790 (PL 141.3) Certificate www.grantarc.org

Sept. 11 – Sept. 19, 0000 – 2359 **K4MIA** Loxahatchee, FL **National POW MIA Recognition Day**
28.400 18.150 14.265 7.195 K4MIA/1, K4MIA/5, K4MIA/7, K2MIA/8 also operating. www.qrz.com/db/k4mia

Sept. 11 – Sept. 19, 0001 – 2359 **W6JBT** San Bernardino, CA **Route 66 On The Air** 28.466 14.266
7.195 3.866 Certificate and QSL www.w8jbt.org

Sept. 20 – 25, 0100 – 0100 **W0E** Lamar, MO **Wyatt Earp Fest** 14.250 kilowattarc@hotmail.com

Sept. 25, 1200 – 2200 **K1SV** Arlington, VT **Covered Bridge Special Event** 146.520 28.333
14.318 7.245 Certificate and QSL www.sovarc.org

Sampling from September, 2021 QST - Pg. 79, 80 and 81. See QST for many more events.

All times in GMT ZULU time

RadioSport

QSO Parties

- Sept. 4, 1300 - Sept. 5, 0400 **Colorado QSO Party** All Bands CW Ph Dig ppraa.org/cogp
Exchange: Name, CO county or SPC
- Sept. 5, 1800 – Sept 6, 0300 **Tennessee QSO Party** All Bands CW Ph Dig tnqp.org/rules
Exchange: RS(T), TN county or SPC
- Sept. 11, 0000 – 2359 **FOC QSO Party** 1.8 – VHF CW g4foc.org/qsoparty
Exchange: RST, name, mbr (if any)
- Sept. 11, 1500 – Sept. 12, 0300 **Alabama QSO Party** 3.5 – 28 CW Ph www.alabamagsoparty.org
Exchange: RS(T), AL county or SPC
- Sept. 16, 1800 – 1959 **BCC QSO Party** 3.5 CW Ph DIG bavarian-contest-club.de/contest
Exchange: RS(T), T-shirt size
- Sept. 18, 0000 – Sept. 19, 2359 **Collegiate QSO Party** All Bands CW Ph Dig collegiateqsoparty.com
Exchange: School name, RS(T), op class
- Sept. 18, 1400 – Sept. 19, 0200 **Iowa QSO Party** All Bands CW Ph Dig www.w0yl.com/IAQP
Exchange: RS(T), IA county or SPC
- Sept. 18, 1400 – Sept. 19, 2000 **Texas QSO Party** All Bands CW Ph Dig www.txqp.net
Exchange: RS(T), TX county or SPC
- Sept. 18, 1600 – Sept 19, 0359 **New Jersey QSO Party** 3.5 – 28 CW Ph Dig k2td-bcrc.org/njqp/
Exchange: RS(T), NJ county or SPC
- Sept. 18, 1600–Sept. 19, 2200 **New Hampshire QSO Party** All Bands CW Ph Dig www.w1wgm.org/nhqso
Exchange: RS(T), NH county or SPC
- Sept. 25, 1200 – Sept. 26, 1200 **Maine QSO Party** 1.8 – 28 CW Ph ws1sm.com/MEQP.html
Exchange: RS(T), ME county or SPC

Sampling from September, 2021 QST - Pg. 79, 80 and 81. See QST for many more events.

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The *Wobbly Oscillator* is a publication of the Cuyahoga Amateur Radio Society, P.O. Box 31264, Independence, Ohio, 44131-0264. Articles from this publication may be reprinted in any ham radio publication, provided that credit is given to this publication and the author, if known. All submissions should be emailed to: wt8o@att.net by the end of the month for publication in the next month's issue.

CARS 2021 Officers & Committees

Audit

WJ8WM ** WT8O, KD8OUE

Audio/Video

AC8NW **

ARRL Liaison

WJ8WM **

Awards

W8GC ** WT8O

Christmas party & Summer Picnic

WJ8WM **, K8ARP, KD8FTU, KD8FTV

Club Photographer

N8OWS **

Field Day

K8RGI **, WT8O, WJ8WM, K8ARP, KD8SCV, AC8NW, AC8TN, WT8O, K8RJH, N8BBB food

50/50

KD8SCV

Hamvention Bus

KD8FTS **

License classes

KD8ACO **, WT8O, K8SHB

Media Representative

KD8SCV

Membership

WT8O ** W8GC

NET

WT8O **

Newsletter

WT8O ** 440-525-6109

wt8o@att.net

Programs at Meetings

KD8BAL ** KD8FTS, KE8OZU

Property Custodian's

KB8DTC records, W8GC equipment

Public Services

KD8FTS **, K8ARP

QSL Manager - W8HBI, W8BM

WB8N **

Refreshments at Meetings & Picnic

K8RJH ** pop, NW8X ** Donuts

Scholarship

W8GC ** WJ8WM, K8RGI, WB8ROK, WT8O

Sunshine (welfare)

Andy, KD8SCV ** 440-886-0723

Technical

AC8NW ** N8OVW, WJ8WM, KD8ACO, K8RJH, KB8DTC

VE Exams

Metro, W8MET ** 216-520-1320

Web Master/e-mail

W8GC **

** chairman or co-chairman

2021 Officers

PRESIDENT

Toby Kolman WT8O 440-525-6109

wt8o@att.net

VICE-PRESIDENT

Mark Moro, WJ8WM 216-661-0342

SECRETARY

Ed Stevens, WB8ROK 216-267-5473

Alternate Secretary: Matt, KE8OZU

TREASURER:

Bob Check W8GC 216-524-1750

Alternate Treasurer: Bob Robbins, K8RGI

Board Members & License Trustees

Board Chairman:

Alternate Chairman:

K8ARP, Arp Viiberg

even year executive board 2 year term

AC8NW, KB8DTC, KD8OUE

odd year executive board 2 year term

K8RGI, K8ARP, K8RJH

License trustee

K8ZFR

WT8O

License trustee

W8HBI, W8BM,

W8GC



August 11, 2021

